

# Shivam Sharma

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## Summary

DevOps Engineer with hands-on experience in AWS, Kubernetes, CI/CD pipelines, Docker, and Terraform, specializing in cloud infrastructure automation, containerization, and system security. Skilled in deploying scalable applications, optimizing workflows, and enhancing security compliance. Proficient in Python scripting and Linux administration with a strong foundation in software development and problem-solving. Seeking to contribute to high-performance teams by driving efficiency, automation, and innovation in DevOps practices.

## Skills

- **Cloud Platforms:** AWS (EC2, IAM, S3), Cloud Security
- **Version Control:** Git, GitHub
- **Programming and Scripting:** Python, Shell Scripting, SQL
- **DevOps Tools:** Jenkins, Docker, Kubernetes, Terraform, Nginx
- **Operating Systems:** Linux (Ubuntu, Debian)
- **Other skills:** HTML, CSS

## Work Experience

<b>Skillquest Learnings</b>   <i>DevOps Engineer</i>	<b>May 2025 - Present</b>
<ul style="list-style-type: none"><li>Architected and managed secure VPN infrastructure using WireGuard for remote access control, reducing unauthorized logins by 40 percent.</li><li>Designed and deployed Dockerized frontend and Flask backend with Nginx reverse proxy, achieving high availability and scalability.</li><li>Built CI/CD pipelines using Jenkins to automate testing and deployments, reducing release time by 60 percent.</li><li>Implemented Fail2ban and firewall scripts to block brute-force and DDoS attacks, improving overall system security.</li><li>Automated infrastructure monitoring and log management with Bash and Python scripts, enhancing visibility and operational efficiency.</li></ul>	

## Projects

<b>InfraGuard-Cloud Scanner</b>   <a href="https://infraguard.me/">https://infraguard.me/</a>	<b>Jun 2025 - Present</b>
<ul style="list-style-type: none"><li>Developed and deployed a full-stack cloud vulnerability scanning platform for AWS infrastructures using Python (Flask) for backend and HTML/CSS/JS for the frontend, hosted on Render and Vercel respectively.</li><li>Performed vulnerability scans on EC2, S3, and IAM using AWS SDK (boto3), with dynamic result dashboards.</li><li>Utilized AWS SDK (boto3) to perform automated EC2, IAM, and S3 security checks and generate detailed cloud security reports.</li><li>Achieved production-level deployment with proper CORS, session handling, and async job polling for smooth UX.</li></ul>	
<b>CI/CD Pipeline using Jenkins</b>   <a href="http://44.208.36.56/">http://44.208.36.56/</a>	<b>Mar 2025 - May 2025</b>
<ul style="list-style-type: none"><li>Developed a CI/CD pipeline using Jenkins, deployed a portfolio site on AWS EC2.</li><li>Integrated GitHub webhooks and LocalTunnel to trigger Jenkins builds from a local machine.</li><li>Utilized Docker for isolated Jenkins setup and environment consistency.</li><li>Configured Gmail SMTP for build failure notifications; used Nginx as a reverse proxy.</li><li>Automated Jenkins job backups via batch scripts and Windows Task Scheduler.</li></ul>	

## Education

<b>JIMS Engineering Management Technical Campus (JEMTEC)</b> <i>B.Tech, Computer Science &amp; Engineering</i> (GPA: 8.0)	<b>Sep 2022 - Sep 2026</b> <i>Greater Noida</i>
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## Certifications

<b>Simplilearn</b>   <i>Search Engine Optimization</i>	
<ul style="list-style-type: none"><li>Completed training in On-Page &amp; Off-Page SEO, Keyword Research, Image Optimization, Crawling, and Page Speed</li><li>Hands-on practice with Google Keyword Planner &amp; Ahrefs.</li></ul>	

## Internshala Trainings

- Completed 8-week certified training covering HTML, CSS, Bootstrap, DBMS, PHP, JavaScript and React.
- Built a final project applying web development concepts.
- Scored 64% in the final assessment.

## Achievements

- 2nd Runner-Up – DSA Hackathon:** Solved complex algorithmic problems under time constraints, recognized for coding efficiency and teamwork.